

so, but such are the anomalies of Life, that we may owe to its influence our family relationships, our homes, and the very idea of our possessions.

The gorilla builds a nest amidst branches.

and, prompted by a like impulse, man provided himself with shelter on the ground.

In the tropics huts of grass or leaves would be his first essays in home-building. In the colder

climate of Northern Europe he seems to have

commonly taken refuge in caves, the occupancy

of which he disputed with bears and hyenas.

With an increasing population a new danger

arose: inter-tribal wars became frequent and

buildings were designed for protection against

enemies. An earthen rampart might be thrown

up, or the safeguard of a moat might be secured

by building the village huts upon piles that were

surrounded with water* On this plan the ancient

lake villages of Switzerland were designed. With

the improvement of tools durable materials could

be handled : dwellings of more than one storey

might be erected : castles for defence, temples in

honour of the gods and monuments in honour of

the dead might be built so solidly as to resist the

corrosions of time during many centuries. But

it was long before designs were altered with

the change in materials : and to this day the

bridges in Japan mimic in stone the beams and

joints of wooden structures.

Man has been defined as a "tool-using animal."

Without special appliances insects would be unable to construct their elaborate fabrics : by peculiar modifications of the jaw they are provided with as varied an assortment of implements as may be found in a mason's tool bag. Left to the guidance of his reason man for countless generations possessed no such resources as this instinctive equipment. His only tools were fragments of